

Datasheet: 2150-0030

Description:	NATIVE HUMAN COLLAGEN I
Name:	COLLAGEN I
Format:	Purified
Product Type:	Purified Protein
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified protein from human placenta - lyophilised
Reconstitution	Use 0.05-0.5 M acetic acid, pH 2.5 at 4°C.
Preparation	Collagen from washed dissected tissue was dissolved in acetic acid after mild pepsin treatment. Collagen type I was then purified using differential salt precipitation.
Preservative Stabilisers	None present.

External Database Links

UniProt:

[P02452](#) [Related reagents](#)

[P08123](#) [Related reagents](#)

Entrez Gene:

[1277](#) COL1A1 [Related reagents](#)

[1278](#) COL1A2 [Related reagents](#)

Product Information

Collagen is located in the extracellular matrix of connective tissues. It is part of the interacting network of proteoglycans and proteins that provides a structural framework for both soft and calcified connective tissues. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis.

Molecular Weight	300 kDa
Purity	>90%
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
Shelf Life	18 months from date of despatch.
Acknowledgements	The human source was tested and found negative for HBsAg and HIV-1/2 antibodies.
Health And Safety Information	Material Safety Datasheet documentation #10268 available at: 10268: https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf
Regulatory	For research purposes only

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